

Message Text

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INFO OCT-01 ADP-00 EA-04 /015 R

DRAFTED BY A/ SY/ FO: WHSARGENT: HB

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TO AMEMBASSY PHNOM PENH

INFO AMCONSUL HONG KONG

C O N F I D E N T I A L STATE 091677

E. O. 11652: N: GDS

TAGS: ASEC, CB

SUBJECT: ARMOR PLATING MATERIALS

PHNOM PENH FOR RSO; HONG KONG FOR RSS

REFERENCE: PHNOM PENH 4588

1. TEST RESULTS VERY INTERESTING BUT NOT SURPRISING,
SINCE MAXIMUM STOPPING CAPABILITY FOR 3/16" ALUMINUM AND
1 1/4" PLEXI " G" IS 9 MM PARABELLUM FIRED FROM AN SMG.

2. WE ARE ATTEMPTING TO FIND BOTH AN OPAQUE AND TRANS-
PARENT MATERIAL WHICH CAN STOP UP TO M-16, YET STILL
LIGHTWEIGHT, OF SMALL BULK AND EASILY INSTALLED, BUT
HAVE FOUND NOTHING SATISFACTORY YET. WE HAVE FOUND
XAR-30 STEEL WITH 3/16" ALUMINUM WILL DO JOB, BUT CANNOT
AFFORD BASIC INITIAL TONNAGE REQUIRED AT THIS TIME. IN
GENERAL, WE HAVE FOUND IT TAKES APPROXIMATELY 2" OF A
TRANSPARENCY TO STOP LEVEL OF AMMUNITION YOU ARE FACED
WITH.

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3. AS A MATTER OF INTEREST, OUR TESTS INDICATE ALUMINUM WILL NOT STOP CLAYMORE AT 15 FEET NOR, WHEN USED TO LINE FLOOR, WILL IT STOP FRAG FROM M-26 GRENADE ROLLED UNDER CAR. NO ARMOR USED TO DATE ON CARS WILL STOP 3.5 ROCKET. HOWEVER, OUR TESTS INDICATED 1 1/4" PLEXI " G" BRACKETED BEHIND CAR WINDOWS WILL STOP CLAYMORE AND 20 LB SATCHEL CHARGE OF C-4 FROM 15 FEET.

4. SARGENT LOOKING FORWARD TO YOUR TEST SHEET. ALSO APPRECIATE ANY INFORMATION AVAILABLE ON HOW PLEXI " G" STANDING UP TO HEAT/ HUMIDITY SUNLIGHT. ANY SUGGESTIONS ON MATERIALS, THEIR APPLICATION TO VEHICLES, OR ADDITIONAL TESTING WE CAN SET UP HERE, RELATIVE RESISTANCE TO AK-47 ESPECIALLY, WOULD BE USEFUL. RUSH

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NMAFVVZCZ

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